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DISCOVERY AND ANALYSIS OF EXIF DATA IN IMAGES[31]

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Abstract: With the rapid expansion of cybercrime, it has become important and urgent to begin conducting studies and research specialized in evaluating information saved and how is used in digital media metadata. The paper reviews how in many cases when a computer, phone, or mobile device is seized for evidence, the system will have graphic images that might be used as evidence. Digital images have stamps recorded as metadata written by its source. This could be a phone, camera or written on computer. Most digital devices "stamp" information on these graphic images that can tell us a lot about the who, what, when, and where the pictures were taken. This information is known as EXIF data and can very often be useful to the forensic investigator. The coordinates from the geolocation of the digital image can be reversed to display on maps.

Keywords: EXIF data, digital images, GPS, image forensics, image processing, image forgery detection, image metadata

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